

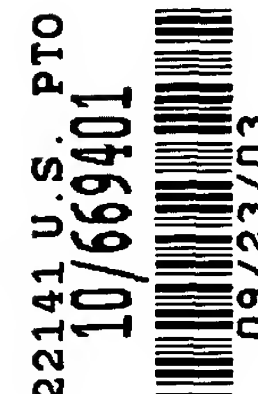
**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.: 5051-606

DATE: September 23, 2003

**UTILITY PATENT APPLICATION TRANSMITTAL LETTER  
AND FEE TRANSMITTAL FORM (37 CFR § 1.53(b))**



Mail Stop PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 CFR § 1.53(b) is:

- ☒ a patent application  
☐ a Continuation ☐ a Divisional ☐ a Continuation-in-Part (CIP) Application of prior application no.: \_\_\_\_\_; filed \_\_\_\_\_, the disclosure of which is incorporated herein by reference in its entirety.  
☒ and claims the benefit of Provisional Application No. 60/413,365; filed September 25, 2002.

Inventor(s) or Application Identifier:

**Stefan Franzen**

**Scott Brewer**

Entitled: **SURFACE PLASMON RESONANCE SYSTEMS AND METHODS OF HAVING A VARIABLE CHARGE DENSITY LAYER**

Myers Bigel Sibley & Sajovec, P.A.  
P. O. Box 37428  
Raleigh, North Carolina 27627  
Telephone: (919) 854-1400  
Facsimile: (919) 854-1401  
Customer No. 20792

Enclosed are:

1. ☒ Application Transmittal Letter and Fee Transmittal Form (*A duplicate is enclosed for fee processing*)
2. ☒ 48 pages of Specification (including 81 claims)
3. ☒ 25 sheets of Formal Drawings (35 USC 113)
4. ☐ Oath or Declaration
  - a. ☐ newly executed (*original or copy*)
  - b. ☐ copy from prior application (37 CFR 1.63(d) (*for continuation/divisional*)) [Note Box 6 Below]
  - c. ☐ DELETION OF INVENTOR(S) (*Signed statement deleting inventor(s) named in the prior application*)
5. ☐ Application Data Sheet. See 37 CFR 1.76
6. ☐ Incorporation By Reference (*useable if box 4b is checked*)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated

by reference therein.

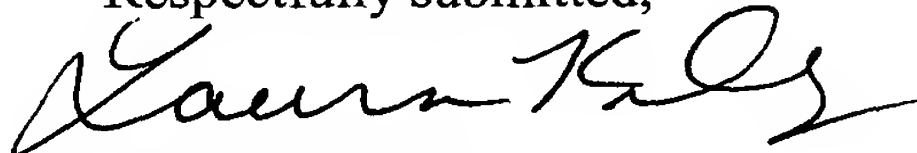
7. ☐ Microfiche Computer Program (*Appendix*)  
8. ☐ Assignment papers (*cover sheet(s) and document(s)*)  
9. ☐ Applicant claims small entity status. See 37 CFR § 1.27.  
10. ☐ Information Disclosure Statement, PTO-1449, and \_\_\_\_\_ references cited  
11. ☐ Preliminary Amendment (*Please enter all claim amendments prior to calculating the filing fee.*)  
12. ☐ English Translation Document  
13. ☐ Certified Copy of \_\_\_\_\_ Application No. \_\_\_\_\_ ; Filed  
14. ☐ Sequence Listing/ Sequence Listing Diskette  
    a. ☐ computer readable copy  
    b. ☐ paper copy  
    c. ☐ statement in support  
15. ☐ An Associate Power of Attorney  
16. ☒ Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)  
17. ☒ Other: Application filed under 37 CFR 1.41(c)

The fee has been calculated as shown below:

|  | Column 1<br>No. Filed | Column 2<br>No. Extra | Small Entity<br>Rate      Fee | Large Entity<br>Rate      Fee |
|--|-----------------------|-----------------------|-------------------------------|-------------------------------|
| BASIC FEE  |                       |                       | \$375.00                      | \$ 750.00                     |
| TOTAL CLAIMS   | 81 - 20 =             | 61                    | x 09 = \$ 549.00              | x 18 = \$                     |
| INDEP CLAIMS   | 5 - 3 =               | 2                     | x 42 = \$ 84.00               | x 84 = \$                     |
| <input type="checkbox"/> MULTIPLE Dependent Claims Presented       |                       |                       | + 140 = \$                    | + 280 = \$                    |
| If the difference in Col. 1 is less than zero, Enter "0" in Col. 2 |                       |                       | Total \$ 1008.00              | Total \$                      |

- ☐ A check in the amount of \$ \_\_\_\_\_ to cover the filing fee is enclosed.  
☐ A check in the amount of \$ \_\_\_\_\_ is enclosed to cover the filing fee, PLUS the Assignment Recordation fee (\$40.00).  
☒ Please charge my Deposit Account No. 50-0220 in the amount of \$1008.00.  
☒ The Commissioner is hereby authorized to credit overpayments or charge the following fees associated with this communication to Deposit Account No. 50-0220:  
    a. ☒ Additional filing fees under 37 CFR 1.16 for presentation of extra claims.  
    b. ☒ Additional patent application processing fees under 37 CFR 1.17.

Respectfully submitted,



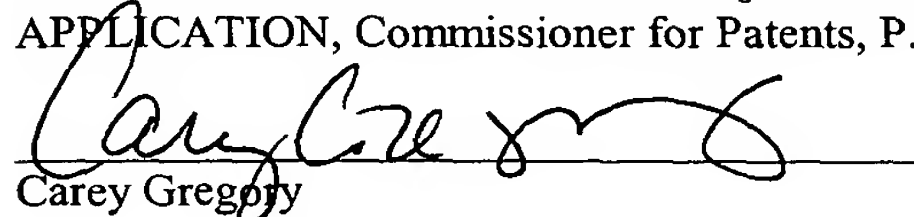
Laura M. Kelley  
Registration No. 48,441

**CERTIFICATE OF EXPRESS MAILING**

Express Mail Label No. EV 318420134 US

Date of Deposit: September 23, 2003

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

  
Carey Gregory

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Franzen et al.  
Serial No. To Be Assigned  
Filed: Concurrently Herewith  
For: SURFACE PLASMON RESONANCE SYSTEMS AND METHODS OF HAVING A  
VARIABLE CHARGE DENSITY LAYER

September 23, 2003

MAIL STOP PATENT APPLICATION  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

APPLICATION FILED UNDER 37 CFR 1.41(c)

Sir:

The above-identified application is being filed on behalf of the inventors, **Stefan Franzen**, a citizen of the United States of America, residing at 2308 Watersglen Drive, Apex, North Carolina, 27502; and **Scott Brewer**, a citizen of the United States of America, residing at 1005 A2 Avent Hill, Raleigh, North Carolina, 27606, under the provisions of 37 CFR 1.41(c). A Declaration and Power of Attorney from the inventors will follow, 37 CFR 1.63.

Respectfully submitted,

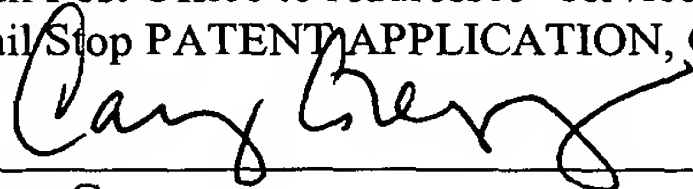
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\_\_\_\_\_  
Carey Gregory